International Journal of Fracture

CONTENTS OF VOLUME 65 (1994)

Vol. 65, No. 1, 1 January 1994

Explicit solutions for the elastic and thermoelastic fields with a rigid circular-arc inclusion	M. H. SHEN and C. K. CHAO	1
The effect of internal pressure on a penny-shaped crack at the interface of two bonded dissimilar micropolar elastic half-spaces	R. N. YADAVA, A. ROY and R. K. KATIYAR	19
Interfacial crack propagation in a thin viscoelastic film bonded to an elastic substrate	M. V. SRINIVAS and G. RAVICHANDRAN	31
An analytical/numerical approach for cracked elastic strips under concentrated loads – transient response	H. G. GEORGIADIS and N. CHARALAMBAKIS	49
Application of a conservation integral to an interface crack interacting with singularities	Y. J. CHO, H. G. BEOM and Y. Y. EARMME	63
The finite deformation field surrounding a mode I plane strain crack in a hyperelastic incompressible material under small-scale nonlinearity	C. J. QUIGLEY and D. M. PARKS	75

Vol. 65, No. 2, 15 January 1994

A reconciliation of dynamic crack velocity and Rayleigh wave speed in isotropic brittle solids	P.D. WASHABAUGH and W.G. KNAUSS	97
Anisotropic material with interacting arbitrarily oriented cracks. Stress intensity factors and crack–microcrack interactions	C. MAUGE and M. KACHANOV	115
The adhesive joint fracture due to crack propagation affected by heat and active agent concentration	R.L. SALGANIK	141
The dominance of the K_I-field for a crack under stress wave loading	Y.J. HUANG and D. GROSS	161
Fracture analysis of a steel sandwich with hardened core	SHYONG LEE, CHUNG-YUE WANG and JYE LEE	173
The influence of elastic mismatch on the size of the plastic zone of a crack terminating at a brittle–ductile interface	A. ROMEO and R. BALLARINI	183

Vol. 65, No. 3, 1 February 1994

Boundary value problem for crack growth in viscoelastic media	A.M. LINKOV	197
Experimental and analytical studies in crack initiation under fatigue: Part I – Experimental studies	J. BOTSIS and C. HUANG	219
Experimental and analytical studies in crack initiation under fatigue: Part II – Analysis	J. BOTSIS and C. HUANG	235
Some asymptotic behavior and formulae of stress intensity factors for collinear and parallel cracks under various loadings	M. ISIDA and H. IGAWA	247
The stability of delamination growth in compressively loaded composite plates	G.A. KARDOMATEAS and A.A. PELEGRI	261
Smeared-tip superposition method for cohesive fracture with rate effect and creep	Z.P. BAŽANT and S. BEISSEL	277

Vol. 65, No. 4, 15 February 1994

Single crystal cleavage of brittle materials	R.A. SCHULTZ, M.C. JENSEN and R.C. BRADT	291
Fracture resistance determination of freshwater ice using a chevron notched tension specimen	L.M. STEHN, S.J. DEFRANCO and J.P. DEMPSEY	313
A model for crack-face bridging	T. SUZUKI and M. SAKAI	329
Crack–particle interaction in two-phase composites. Part I: Particle shape effects	P. LIPETZKY and S. SCHMAUDER	345
A new boundary integral equation for notch problem of antiplane elasticity	Y.K. CHEUNG and Y.Z. CHEN	359
The dual boundary element method: $\hat{J}$-integral for dynamic stress intensity factors	P. FEDELINSKI, M.H. ALIABADI and D.P. ROOKE	369
Author index		383
Kluwer LaTeX Style File		385